

# SBS Modified Bitumen Membrane



## RUBEROID® GAF MopPlus Smooth Membrane



ITEM CODE: 3702

### Description:

RUBEROID® Mop Plus Smooth membrane is a premium, heavy-duty, modified bitumen membrane manufactured to stringent GAF specifications. Its core is a strong, resilient non-woven polyester mat that is coated with flexible SBS polymer-modified asphalt and has a smooth surface. Smooth-surface mop-applied installations must be protected with surfacing.

### Uses:

RUBEROID® Mop Plus Smooth membrane is designed for new roofing and reroofing applications, as well as the construction of flashings. RUBEROID® Mop Plus Smooth membrane is also a suitable product for repairs of built-up roofing membranes or other modified bitumen systems.

### Advantages:

- Lighter weight — installed roof designs weigh less than 2 pounds per square foot.
- Durability — specially formulated modified asphalt gives RUBEROID® Mop Plus Smooth membrane lasting performance.
- Resilience — RUBEROID® Mop Plus Smooth membrane's heavyweight polyester mat core helps resist splits and tears due to its pliability and elongation characteristics.
- Product warranties and system guarantees are available. Contact your local sales representative for requirements, availability, and limitations. See warranties and guarantees on [gaf.com](http://gaf.com) for complete coverage and restrictions.

### Storage and Handling:

To prevent damage, support rolls on end in an upright position and store in a clean, dry location, covering as necessary to protect from environmental damage. Monitor environmental conditions during storage, handling, and application.

### Testings and Approvals:

- Classified by UL in accordance with ANSI/UL 790, including as a component of Class A fire resistance-rated roofing assemblies. Refer to UL Product iQ for specific assemblies.
- FM Approved — refer to [roofnav.com](http://roofnav.com) for approved assemblies.
- Miami-Dade County Product Control Approved.
- Texas Department of Insurance Report RC-49.
- State of Florida Approved.
- UL Evaluation Report UL ER1306-02.
- Meets or exceeds ASTM D6164 Type II, Grade S.
- For additional information, contact GAF Design Services at 1-877-423-7663 or [designservices@gaf.com](mailto:designservices@gaf.com).

### Product Specifications:

| ASTM D6164 Type II, Grade S |   |
|-----------------------------|---|
| Roll Size*                  | 107.3 ft. <sup>2</sup> (10.0 m <sup>2</sup> ) |
| Roll Length                 | 32' 6" (10.0 m)                               |
| Roll Width                  | 39.625" (1.0 m)                               |
| Roll Weight                 | 85 lb. (38.6 kg)                              |
| Roll Thickness              | 140 mils (3.6 mm)                             |
| Rolls per Pallet            | 30  |
| Full Pallet Weight          | 2,600 lb. (1,179.3 kg)                        |
| Reinforcement               | Polyester                                     |
| Top Side Surfacing          | Sand  |
| Bottom Side Surfacing       | Sand  |

\* Roll size as reported represents actual membrane dimensions and does not calculate installation using side and end lap recommendations.



### Physical Properties:

| Property  | Standard Minimum Value              | GAF Value                           |
|---|-------------------------------------|-------------------------------------|
| Thickness, min. mils (mm), Grade S  | 115 (2.9)                           | 140 (3.6)                           |
| Net mass/unit area, min. g/m <sup>2</sup> (lb./100 ft. <sup>2</sup> )   | 3,417 (70)                          | 3,857 (79)                          |
| Bottom coating thickness, heat-welding application products, min. mm (mils)                                       | 1.0 (40)                            | 1.0 (40)                            |
| Peak load at -18 +/-2° C (0 +/-3.6° F), MD and CMD, min. before and after heat conditioning, kN/m (lbf/in.)       | MD - 17.5 (100)<br>CMD - 17.5 (100) | MD - 32.4 (185)<br>CMD - 21.9 (125) |
| Elongation at -18 +/-2° C (0 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%)   | MD - 20.0<br>CMD - 20.0             | MD - 55.0<br>CMD - 60.0             |
| Peak load at 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, kN/m (lbf/in.)     | MD - 12.3 (70)<br>CMD - 12.3 (70)   | MD - 24.5 (140)<br>CMD - 14.9 (85)  |
| Elongation at 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%) | MD - 50.0<br>CMD - 50.0             | MD - 55.0<br>CMD - 60.0             |
| Ultimate elongation 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, (%)         | MD - 60.0<br>CMD - 60.0             | MD - 65.0<br>CMD - 72.0             |
| Tear strength at 23 +/-2° C (73.4 +/-3.6° F), min. N (lbf)  | 311 (70)                            | 667 (150)                           |
| Low-temperature flexibility, and before and after heat conditioning, ° C (° F)                                    | -18 (0)                             | -18 (0)                             |
| Dimensional stability, and (%)  | 1.0                                 | 0.5                                 |
| Compound stability at 102° C (215 °F)   | No Failures                         | No Failures                         |

Note: Values stated are average values and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.



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